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MOORELAND AND MOORE ON 11/05/01:

CLIENT NO.: 24736-2035 SLS:RHT:lm  
ENCLOSURES: TRANSMITTAL LETTER (in duplicate); INFORMATION DISCLOSURE  
STATEMENT (3 pages); PTO-FORM 1449 (27 pages); CITED  
REFERENCES; and RETURN POSTCARD  
APPLICANT: Braun  
SERIAL NO.: 09/834,700 FILED: April 12, 2001  
FOR: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS  
ENCODING THE SAME.

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APPLICANT: Braun  
SERIAL NO.: 09/834,700 FILED: April 12, 2001  
FOR: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS  
ENCODING THE SAME.

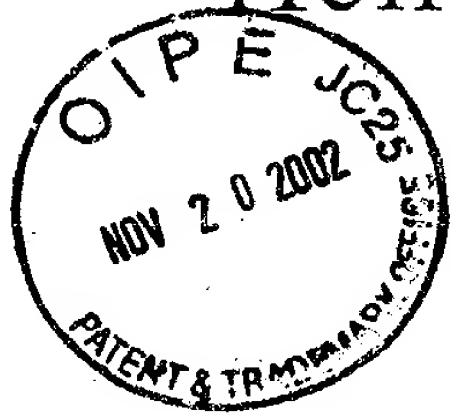
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# HellerEhrman

ATTORNEYS



Main: (858) 450-8400  
Fax: (858) 587-5360

November 2, 2001

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MOORELAND & MOORE  
2001 Jefferson Davis Highway  
Suite 407  
Arlington, VA 22202


Re: Braun U.S.S.N. : 09/834,700 filed April 12, 2001  
**POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS  
ENCODING THE SAME**  
Our Docket No. 24736-2035

Gentlemen:

Please deliver the enclosed documents for Art Unit 1645 to the U.S. Patent and Trademark Office on November 5, 2001. In addition, please have the enclosed postcard date-stamped by the PTO and returned to us at your earliest convenience. We would also appreciate receiving a confirmation from you indicating that delivery of the enclosed documents has been made.

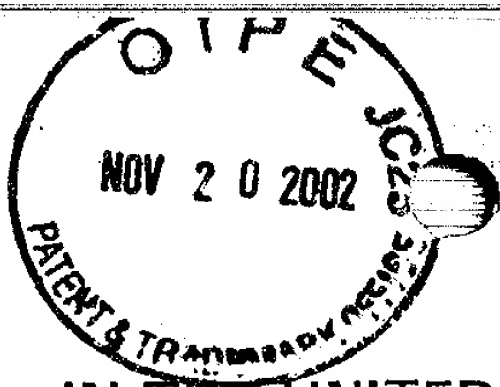
Thank you for your assistance in this matter. If you have any questions, please do not hesitate to contact our office.

Sincerely,



Stephanie L. Seidman

SLS:rht  
Enclosures (Transmittal Letter, IDS, PTO-1449, References)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun  
Serial No.: 09/834,700  
Filed: April 12, 2001  
For: *POLYMORPHIC KINASE ANCHOR  
PROTEINS AND NUCLEIC ACIDS  
ENCODING THE SAME*  
Art Unit: 1645  
Examiner: Unassigned

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TRANSMITTAL LETTER

Commissioner for Patents  
Washington, D.C. 20231

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Dear Sir:

Transmitted herewith via hand delivery are an Information Disclosure Statement, Forms PTO-1449 (27 Pages), and cited references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

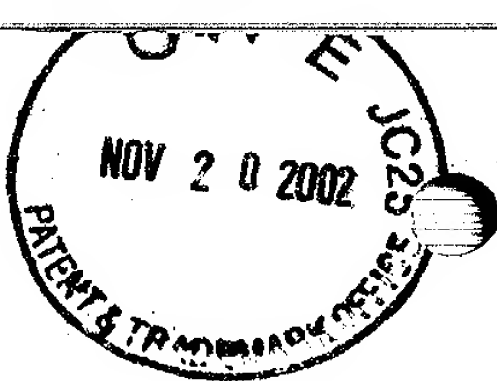
- ☒ The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,  
HELLER EHRMAN WHITE & McAULIFFE LLP

By:

Stephanie L. Seidman  
Registration No. 33,779

Dated: November 2, 2001  
Attorney Docket No. 24736-2035  
Address all correspondence to:  
Stephanie L. Seidman, Esq.  
HELLER EHRMAN WHITE & McAULIFFE LLP  
4350 La Jolla Village Drive  
San Diego, California 92122-1246  
Telephone: (858) 450-8400  
Facsimile: (858) 587-5360  
E-mail: sseidman@HEWM.com



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun  
Serial No.: 09/834,700  
Confirmation No.: 5035  
Filed: April 12, 2001

For: *POLYMORPHIC KINASE ANCHOR  
PROTEINS AND NUCLEIC ACIDS  
ENCODING THE SAME*

Art Unit: 1645  
Examiner: Unassigned

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INFORMATION DISCLOSURE STATEMENT  
IN ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98

Commissioner for Patents  
Washington, D.C. 20231

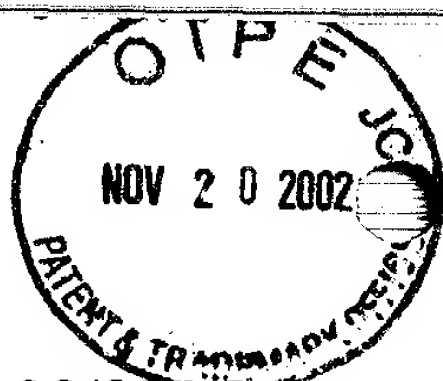
Dear Sir:

Since this Information Disclosure Statement is filed before the receipt of a first Office Action on the merits for the above-captioned application, no filing fee is due. If it is determined that a fee is due, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§ 1.97-1.98. The Forms PTO-1449 (27 pages) and cited references are provided herewith.

The documents listed on the Forms PTO-1449 and supplied herewith are in the English language with the exception of items GS and GT. French Patent Number 2650840 is provided with an English language abstract (item GU), and French Patent Number 2749662 is provided with an English language abstract (item HH). Hence, in accordance with the requirements of 37 C.F.R. § 1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Applicant also makes known to the Examiner the following related, co-pending U.S. and International applications and their status:



U.S.S.N. 09/834,700

Braun

Information Disclosure Statement

<u>U.S.S.N.</u>	<u>Filing Date</u>	<u>Docket No.</u>
09/297,575	05/03/99	2001US
08/947,801	10/08/97	2001B
08/786,988	01/23/97	2001D
09/364,774	07/30/99	2001E
09/371,150	08/09/99	2001F
09/429,683	10/28/99	2001G
09/287,681	04/06/99	2002F
09/495,444	01/31/00	2002H
09/724,877	11/28/00	2002K
09/796,416	02/28/01	2002L
09/879,341	06/11/01	2002M
08/744,481	11/06/96	2004
09/297,576	05/03/99	2004US
09/179,536	10/26/98	2004B
09/783,881	02/13/01	2004C
09/686,148	10/10/00	2004CUS
08/034,738	03/19/93	2010
08/467,208	06/06/95	2011D
09/337,388	06/21/99	2014B
09/146,054	09/02/98	2016B
09/664,977	09/18/00	2016C
09/074,936	05/07/98	2021
09/309,125	05/10/99	2021A
09/307,006	05/07/99	2021B
09/285,481	04/02/99	2022
09/680,581	10/05/00	2022B
09/678,620	10/02/00	2023B
09/687,483	10/13/00	2033
09/802,640	03/09/01	2048
09/663,968	09/19/00	2049
09/839,629	04/20/01	2050
09/515,277	02/29/00	2054B
09/089,730	06/03/98	2055C
08/988,024	12/10/97	2057
09/515,357	02/29/00	2058B
09/541,210	04/03/00	2059B
09/139,386	08/25/98	2060
09/067,337	04/27/98	2301
09/171,625	10/19/98	2302US
09/355,705	02/04/98	2303US

<u>Intl App. No.</u>
PCT/US01/21308
PCT/US01/29290

<u>Filing Date</u>
07/05/01
09/18/01

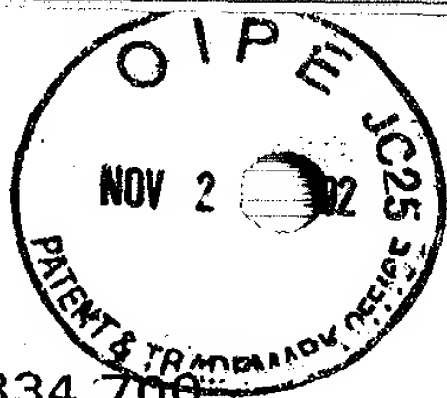
<u>Docket No.</u>
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2049PC

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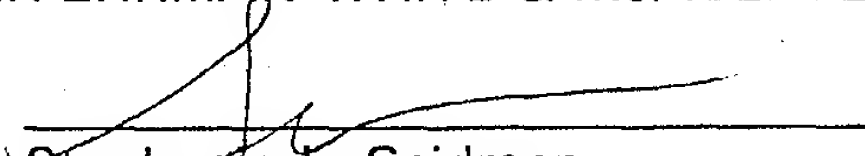
Information Disclosure Statement

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and information and that they be made of record in the file history of the above-captioned application.

Respectfully submitted,  
HELLER EHRMAN WHITE & McAULIFFE LLP

By:

  
Stephanie L. Seidman  
Registration No. 33,779

Dated: November 2, 2001

Attorney Docket No. 24736-2035

Address all correspondence to:

Stephanie L. Seidman, Esq.

HELLER EHRMAN WHITE & McAULIFFE LLP

4350 La Jolla Village Drive

San Diego, California 92122-1246

Telephone: (858) 450-8400

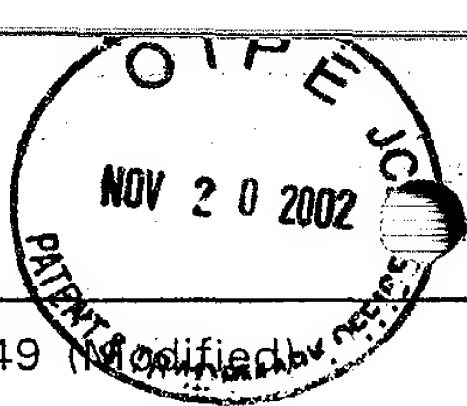
Facsimile: (858) 587-5360

E-mail: sseidman@HEWM.com

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24736-2035SERIAL NO.  
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## U.S. PATENT DOCUMENTS

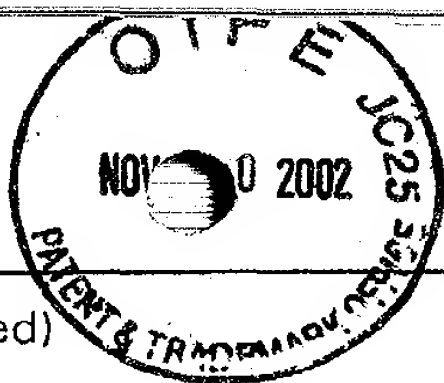
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
	AA	3	6	8	7	8	0	8	08/29/72	Merigan, Jr. <i>et al.</i>	195	28 N	08/14/69
	AB	3	8	1	7	8	3	7	06/18/74	Rubenstein <i>et al.</i>	195	103.5 R	11/06/72
	AC	3	8	5	0	7	5	2	11/26/74	Schuurs <i>et al.</i>	195	103.5	10/29/71
	AD	3	9	3	9	3	5	0	02/17/76	Kronick <i>et al.</i>	250	365	04/29/74
	AE	3	9	9	6	3	4	5	12/07/76	Ullman <i>et al.</i>	424	12	06/30/75
	AF	4	0	7	6	9	8	2	02/28/78	Ritter <i>et al.</i>	250	288	10/06/76
	AG	4	2	7	5	1	4	9	06/23/81	Litman <i>et al.</i>	435	7	11/24/78
	AH	4	2	7	7	4	3	7	07/07/81	Maggio	422	61	12/10/79
	AI	4	3	6	6	2	4	1	12/28/82	Tom <i>et al.</i>	435	7	08/07/80
	AJ	4	5	1	1	5	0	3	04/16/85	Olson <i>et al.</i>	260	112 R	06/01/84
	AK	4	5	6	8	6	4	9	02/04/86	Bertoglio-Matte	436	534	02/22/83
	AL	4	6	5	6	1	2	7	04/07/87	Mundy	435	6	04/23/84
	AM	4	6	8	3	1	9	5	07/28/87	Mullis <i>et al.</i>	435	6	02/07/86
	AN	4	6	8	3	2	0	2	07/28/87	Mullis	435	91	10/25/85
	AO	4	7	2	2	8	4	8	02/02/88	Paoletti <i>et al.</i>	424	89	06/19/84
	AP	4	8	2	6	3	6	0	05/02/89	Iwasawa <i>et al.</i>	406	51	02/25/87
	AQ	4	8	5	1	0	1	8	07/25/89	Lazzari <i>et al.</i>	55	356	11/20/87
	AR	4	9	8	1	9	5	7	01/01/91	Lebleu <i>et al.</i>	536	27	07/18/85
	AS	4	9	8	7	0	7	1	01/22/91	Cech <i>et al.</i>	435	91	12/03/86
	AT	4	9	9	8	6	1	7	04/12/91	Ladd, Jr. <i>et al.</i>	206	219	09/15/86
	AU	5	0	1	3	8	3	0	05/07/91	Ohtsuka <i>et al.</i>	536	27	02/12/90
	AV	5	0	2	5	9	3	9	06/25/91	Bunn <i>et al.</i>	215	100	12/11/89

EXAMINER

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS ENCODING THE SAME



FORM PTO-1449 (Modified)

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24736-2035SERIAL NO.  
09/834,700LIST OF PATENTS AND PUBLICATIONS FOR  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
	AW	5	0	3	4	5	0	6	07/23/91	Summerton <i>et al.</i>	528	391	12/20/89
	AX	5	1	1	8	8	0	0	06/02/92	Smith <i>et al.</i>	536	23	02/27/91
	AY	5	1	1	8	9	3	7	06/02/92	Hillenkamp <i>et al.</i>	250	59/44	08/21/90
	AZ	5	1	2	2	3	4	2	06/16/92	McCulloch <i>et al.</i>	422	65	07/12/89
	BA	5	1	4	9	7	9	7	09/22/92	Pederson <i>et al.</i>	536	27	02/15/90
	BB	5	1	6	6	3	1	5	11/24/92	Summerton <i>et al.</i>	528	406	06/20/91
	BC	5	1	7	5	4	3	0	12/29/92	Enke <i>et al.</i>	250	282	05/17/91
	BD	5	1	8	5	4	4	4	02/09/93	Summerton <i>et al.</i>	544	81	11/21/91
	BE	5	2	1	4	1	3	4	05/25/93	Weis <i>et al.</i>	536	25.3	09/12/90
	BF	5	2	1	6	1	4	1	06/01/93	Benner	536	27.13	06/06/88
	BG	5	2	2	0	0	0	7	06/15/93	Pederson <i>et al.</i>	536	23.1	02/19/92
	BH	5	2	3	5	0	3	3	08/10/93	Summerton <i>et al.</i>	528	391	12/20/89
	BI	5	2	5	7	1	7	5	09/21/93	Schoen <i>et al.</i>	250	281	05/27/92
	BJ	5	2	5	6	7	7	5	10/26/93	Froehler	536	25.6	06/05/90
	BK	5	2	5	9	0	4	4	11/02/93	Isono <i>et al.</i>	385	2	05/05/92
	BL	5	2	6	4	5	6	2	11/23/93	Matteucci	536	23.1	04/24/91
	BM	5	2	6	4	5	6	4	11/23/93	Matteucci	536	23.1	07/30/90
	BN	5	2	7	3	7	1	8	12/28/93	Sköld <i>et al.</i>	422	101	08/07/91
	BO	5	2	8	3	1	7	3	02/01/94	Fields <i>et al.</i>	435	6	01/24/90
	BP	5	3	1	9	0	8	0	06/07/94	Leumann	536	27.1	10/13/92
	BQ	5	3	6	3	8	8	5	11/15/94	McConnell <i>et al.</i>	141	1	06/02/93
	BR	5	3	6	6	8	7	8	11/22/94	Pederson <i>et al.</i>	435	91.3	03/24/93
	BS	5	3	9	3	8	7	8	02/28/95	Leumann	536	28.2	03/17/94

EXAMINER

DATE CONSIDERED

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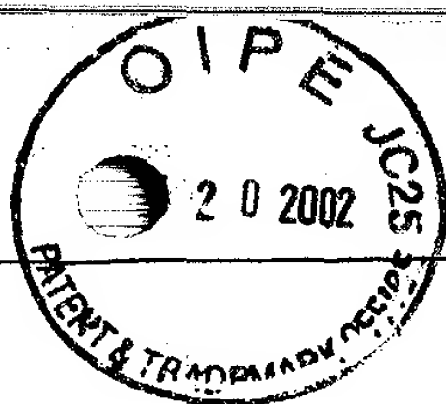
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	BU	5	4	0	5	9	3	8	04/11/95	Summerton <i>et al.</i>	528	406	11/23/92
	BV	5	4	3	4	2	5	7	07/18/95	Matteucci <i>et al.</i>	536	24.3	10/26/93
	BW	5	4	3	6	1	5	0	07/25/95	Chandrasegaran	435	199	09/27/93
	BX	5	4	4	0	1	1	9	08/08/95	Labowsky	250	282	03/30/94
	BY	5	4	4	6	1	3	7	08/29/95	Maag <i>et al.</i>	536	23.1	12/09/93
	BZ	5	4	5	3	6	1	3	09/26/95	Gray <i>et al.</i>	250	281	10/21/94
	CA	5	4	6	6	6	7	7	11/14/95	Baxter <i>et al.</i>	514	44	02/28/94
	CB	5	4	6	6	7	8	6	11/14/95	Buhr <i>et al.</i>	536	26.26	05/10/94
	CC	5	4	7	0	9	6	7	11/28/95	Huie <i>et al.</i>	536	24.3	04/10/90
	CD	5	4	8	9	6	7	7	02/06/96	Sanghvi <i>et al.</i>	536	22.1	03/31/93
	CE	5	4	9	1	1	3	3	02/13/96	Walder <i>et al.</i>	514	44	03/19/91
	CF	5	4	9	2	8	0	6	02/20/96	Drmanac <i>et al.</i>	435	5	04/12/93
	CG	5	4	9	8	5	4	5	03/12/96	Vestal	436	47	07/21/94
	CH	5	5	0	3	9	8	0	04/02/96	Cantor	435	6	10/17/94
	CI	5	5	0	6	1	3	7	04/09/96	Mathur <i>et al.</i>	435	252.3	07/22/93
	CJ	5	5	1	4	7	8	5	05/07/96	Van Ness <i>et al.</i>	536	22.1	10/28/94
	CK	5	5	1	9	1	3	4	05/21/96	Acevedo <i>et al.</i>	544	243	01/11/94
	CL	5	5	2	5	4	6	4	06/11/96	Drmanac <i>et al.</i>	435	6	02/28/94
	CM	5	5	3	6	6	4	9	07/16/96	Fraiser <i>et al.</i>	435	91.2	07/29/94
	CN	5	5	4	1	3	0	7	07/30/96	Cook <i>et al.</i>	536	23.1	12/28/93
	CO	5	5	4	7	8	3	5	08/20/96	Köster	435	6	01/06/94
	CP	5	5	6	1	2	2	5	10/01/96	Maddry <i>et al.</i>	536	23.1	09/19/90

EXAMINER

DATE CONSIDERED

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	CQ	5	5	6	5	3	5	0	10/15/96	Kmiec	435	172.3	12/09/94
	CR	5	5	6	7	8	1	1	10/22/96	Misiura <i>et al.</i>	536	25.34	05/03/91
	CS	5	5	7	1	6	7	6	11/05/96	Shuber	435	6	06/07/95
	CT	5	5	7	6	4	2	7	11/19/96	Cook <i>et al.</i>	536	23.1	05/26/95
	CU	5	5	8	0	7	3	2	12/03/96	Grossman <i>et al.</i>	435	6	08/26/94
	CV	5	5	9	1	7	2	2	01/07/97	Montgomery <i>et al.</i>	514	45	12/12/94
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	CX	5	5	9	6	0	8	6	01/21/97	Matteucci <i>et al.</i>	536	22.1	09/20/91
	CY	5	5	9	7	9	0	9	01/28/97	Urdea <i>et al.</i>	536	24.3	08/25/94
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	DA	5	6	0	4	0	9	8	02/18/97	Mead <i>et al.</i>	435	6	12/22/94
	DB	5	6	0	5	7	9	8	02/25/97	Köster	435	6	03/17/95
	DC	5	6	0	8	0	4	6	03/04/97	Cook <i>et al.</i>	536	23.1	09/29/94
	DD	5	6	1	0	2	8	9	03/11/97	Cook <i>et al.</i>	536	25.34	05/21/92
	DE	5	6	1	0	3	0	0	03/11/97	Altmann <i>et al.</i>	544	244	06/06/95
	DF	5	6	1	8	7	0	4	04/08/97	Sanghvi <i>et al.</i>	435	91.5	09/02/94
	DG	5	6	2	2	8	2	4	04/22/97	Köster	435	6	02/10/95
	DH	5	6	2	3	0	6	5	04/22/97	Cook <i>et al.</i>	536	23.1	12/23/92
	DI	5	6	2	3	0	7	0	04/22/97	Cook <i>et al.</i>	536	27.6	02/27/95
	DJ	5	6	2	7	0	5	3	05/06/97	Usman <i>et al.</i>	435	91.1	05/02/95
	DK	5	6	3	1	1	3	4	05/20/97	Cantor	435	6	06/05/95
	DL	5	6	3	3	3	6	0	05/27/97	Bischofberger <i>et al.</i>	536	22.1	04/14/92
	DM	5	6	3	9	8	7	3	06/17/97	Barascut <i>et al.</i>	536	25.3	02/04/93

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FORM PTO-1449 (Modified)

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## U.S. PATENT DOCUMENTS

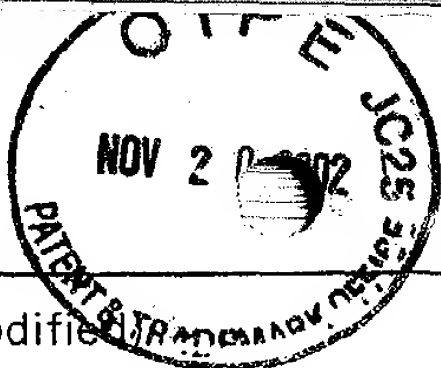
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	DW	5	6	9	5	9	4	0	12/09/97	Drmanac <i>et al.</i>	435	6	06/05/95
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	EC	5	8	3	4	1	8	9	11/10/98	Stevens <i>et al.</i>	435	6	12/22/95
	ED	5	8	3	7	8	3	2	11/17/98	Chee <i>et al.</i>	536	22.1	05/16/95
	EE	5	8	4	3	6	6	9	12/01/98	Kaiser <i>et al.</i>	435	6	11/29/96
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	EH	5	8	5	8	6	5	9	01/12/99	Sapolsky <i>et al.</i>	435	6	11/29/95
	EI	5	8	5	8	7	0	5	01/12/99	Wei <i>et al.</i>	435	69.1	06/05/95
	EJ	5	8	6	9	2	4	2	02/09/99	Kamb	435	6	09/18/95

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	EK	5	8	6	9	2	7	5	02/09/99	Huang	435	15	07/20/98
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	FJ	6	0	2	2	6	8	8	02/08/00	Jurinke <i>et al.</i>	435	6	05/13/96
	FK	6	0	2	4	9	2	5	02/15/00	Little <i>et al.</i>	422	100	01/23/97
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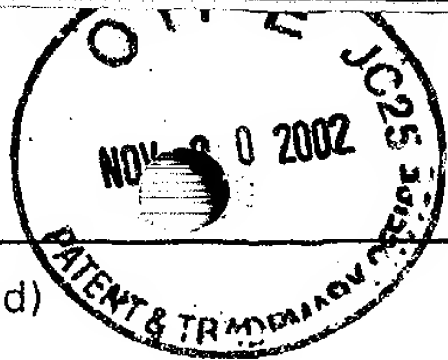
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## FOREIGN PATENT DOCUMENTS

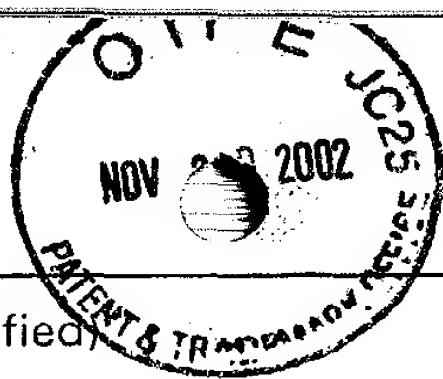
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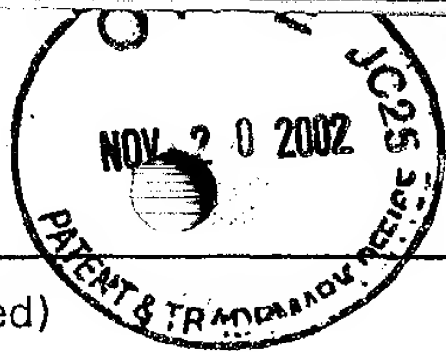
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	HQ	9	9	1	2	0	4	0	11/Mar/99	PCT				
	HR	9	9	3	1	2	7	8	24/Jun/99	PCT				
	HS	9	9	5	0	4	4	7	07/Oct/99	PCT				
	HT	9	9	5	4	5	0	1	28/Oct/99	PCT				
	HU	9	9	5	7	3	1	8	11/Nov/99	PCT				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	HV	<u>A Practical Guide To Molecular Cloning</u> , Book: Perbal B., John Wiley & Sons, New York, 1984
	HW	Altschul <i>et al.</i> , "Basic Local Alignment Search Tool", <i>J. Mol. Biol.</i> , <u>215</u> :403-410, (1990)
	HX	<u>Antibodies</u> , Book: A Laboratory Manual, Harlow, E. and Lane D., Cold Spring Harbor Laboratory, 1988
	HY	Arrand <i>et al.</i> , "Different Substrate Specificities of the Two DNA Ligases of Mammalian Cells", <i>J. Biol. Chem.</i> , <u>261(20)</u> :9079-9082, (1986)
	HZ	Badger <i>et al.</i> , "New features and enhancements in the X-PLOR computer program", <i>Proteins: Structure, Function, and Genetics</i> , <u>35(1)</u> :25-33, (1999)
	IA	Beck <i>et al.</i> , "Chemiluminescent detection of DNA: application for DNA sequencing and hybridization", <i>Nucl. Acids Res.</i> , <u>17(13)</u> :5115-5123, (1989)
	IB	Bertina <i>et al.</i> , "Mutation in blood coagulation factor V associated with resistance to activated protein C", <i>Nature</i> , <u>369</u> :64-67, (1994)

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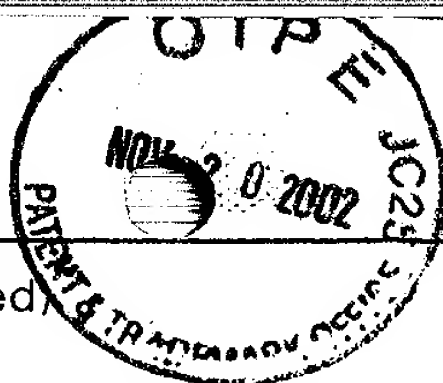
IC	Bessho <i>et al.</i> , "Nucleotide excision repair 3' endonuclease XPG stimulates the activity of base excision repair enzyme thymine glycol DNA glycosylase", <i>Nucl. Acids Res.</i> , <u>27(4)</u> :79-83, (1999)
ID	Biernat <i>et al.</i> , "The construction and cloning of synthetic genes coding for artificial proteins and expression studies to obtain fusion proteins", <i>Protein Engineering</i> , <u>1(4)</u> :345-351, (1997)
IE	<u>Biocomputing</u> , "Informatics and Genome Projects", Smith, W.D. (Ed.), Academic Press, Inc. San Diego, California (1994)
IF	<u>Biological Techniques Series</u> , Book: "Immunochemical Methods in Cell and Molecular Biology", Mayer, R.J. and Walker, J.H., Academic Press, San Diego, California, 1987
IG	Bjelland, S. and Seeberg, E., "Purification and characterization of 3-methyladenine DNA glycosylase I from <i>Escherichia coli</i> ", <i>Nucl. Acids Res.</i> , <u>15(7)</u> :2787-2800, (1987)
IH	Blecinski, C. and Richert, C., "Monitoring the Hybridization of the Components of Oligonucleotide Mixtures to Immobilized DNA via Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry", <i>Rapid Communications in Mass Spectrometry</i> , <u>12</u> :1737-1743, (1998)
II	Bosworth, N. and Towers, P., "Scintillation proximity assay", <i>Nature</i> , <u>341</u> :167-168, (1989)
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IY	Colledge, M. and Scott, J.D., "AKAPs: from structure to function", <i>Trends in Cell Biology</i> , <u>9</u> :216-221, (1999)
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JA	Corder <i>et al.</i> , "Gene Dose of Apolipoprotein E Type 4 Allele and the Risk of Alzheimer's Disease in Late Onset Families", <i>Science</i> , <u>261</u> :921-923, (1993)

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JC	Cotton, R.G.H., "Current methods of mutation detection", <i>Mutation Res.</i> , <u>285</u> :125-144, (1993)
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JE	Cronin <i>et al.</i> , "Cystic fibrosis mutation detection by hybridization to light-generated DNA probe arrays", <i>Hum. Mutat.</i> , <u>7</u> :244-255, (1996)
JF	<u>Culture of Animal Cells</u> , A Manual of Basic Technique, Book: 2nd Edition, Freshney, R.I., Alan R. Liss, Inc., New York
JG	<u>Current Communications in Molecular Biology</u> , Book: "Gene Transfer Vectors for Mammalian Cells, Cold Spring Harbor Laboratory, New York, 1987
JH	<u>Current Protocols In Immunology</u> , Book: Volume 4, Coligan, J.E. et al. (Eds.), John Wiley & Sons, Inc. New York, 1994
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JJ	Devereux, <i>et al.</i> , "A comprehensive set of sequence analysis programs for the VAX", <i>Nucl. Acids Res.</i> , <u>12</u> (1):387-395, (1984)
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JL	Eftedal <i>et al.</i> , "Consensus sequences for good and poor removal of uracil from double stranded DNA by uracil-DNA glycosylase", <i>Nucl. Acids Res.</i> , <u>21</u> (9):2095-2101, (1993)
JM	Englisch, U. and Gauss, D.H., "Angewandte Chemie", <i>Angew. Chem.</i> , <u>30</u> (6):613-722, (1991)
JN	Faux, M.C. and Scott, J.D., "More on target with protein phosphorylation: conferring specificity by location", <i>Trends Biochem.</i> , <u>21</u> :312-315, (1996)
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JQ	Fu <i>et al.</i> , "Efficient preparation of short DNA sequence ladders potentially suitable for MALDI-TOF DNA sequencing", <i>Genetic Analysis: Biomolecular Engineering</i> , <u>12</u> :137-142, (1996)
JR	Fu <i>et al.</i> , "Sequencing double-stranded DNA by strand displacement", <i>Nucl. Acids Res.</i> , <u>25</u> (3):677-679, (1997)
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JU	Gasparini <i>et al.</i> , "Restriction site generating-polymerase chain reaction (RG-PCR) for the probeless detection of hidden genetic variation: application to the study of some common cystic fibrosis mutations", <i>Mol. Cell. Probes</i> , <u>6</u> :1-7, (1992)
JV	Gibbs <i>et al.</i> , "Detection of single DNA base differences by competitive oligonucleotide priming", <i>Nucl. Acids Res.</i> , <u>17</u> :2437-2448, (1989)
JW	Gillman, A.G., "A Protein Binding Assay for Adenosine 3':5'-cyclic Monophosphate", <i>Biochem.</i> , <u>67</u> (1):305-312, (1970)
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JY	Goldmacher <i>et al.</i> , Photoactivation of toxin conjugates, <i>Bioconj. Chem.</i> 3:104-107 (1992)
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KA	Gribskov, M. and Burgess, R.R., "Sigma factors from <i>E. coli</i> , <i>B. subtilis</i> , phage SP01, and T4 are homologous proteins", <i>Nucl. Acids Res.</i> , <u>14</u> (16):6745-6763 (1986)
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KE	Guerrier-Takada <i>et al.</i> , "The RNA Moiety of Ribonuclease P Is the Catalytic Subunit of the Enzyme", <i>Cell</i> , <u>35</u> :849-857, (1983)
KF	<u>Guide To Human Genome Computing</u> , Book: Bishop, M.J. (Ed.), Academic Press, San Diego, California (1994)
KG	Hampel <i>et al.</i> , "'Hairpin' catalytic RNA model: evidence for helices and sequence requirement for substrate RNA", <i>Nucl. Acids Res.</i> , <u>18</u> (2):299-304, (1990)
KH	Hampel, A. and Tritz, R., "RNA Catalytic Properties of the Minimum (-)s TRSV Sequence", <i>Biochem.</i> , <u>28</u> :4929-4933, (1989)
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KK	Hausken <i>et al.</i> , "Mutational Analysis of the A-Kinase Anchoring Protein (AKAP)-binding Site on RII", <i>J. Biol. Chem.</i> , <u>271</u> (46):29016-29022, (1996)
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KP	Higgins <i>et al.</i> , "DNA-Joining Enzymes: A Review", <i>Methods in Enzymology</i> , <u>68</u> :50-71, (1979)
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KV	Hubbard, M.J. and Cohen, P., "On target with a new mechanism for the regulation of protein phosphorylation", <i>Trends Biochem. Sci.</i> , <u>18</u> :172-177, (1993)
KW	<u>Immobilised cells and enzymes</u> , a practical approach, Woodward, J. (Ed.), IRL Press Limited, Oxford, Washington, DC, 1985
KX	Instrumentation; "Nano-Plotter" from GeSiM, Germany, located at <a href="http://www.gesim.de/np-intro.htm">http://www.gesim.de/np-intro.htm</a>
KY	Instrumentation; "Model CRS A 255" robot "Digital Servo Gripper" "Plate Cube" system. "lid parking station" "shaker" Robocon Labor-und Industrieroboter Ges.m.b.H of Austria ("Robocon")
KZ	Instrumentation; "MJ Microseal" plate sealer; Thermal Cycler Accessories: Sealing Options, Sealing Products, MJ Research, located at <a href="http://www.mjresearch.com/html/consumables/ealing/sealing_products.html">http://www.mjresearch.com/html/consumables/ealing/sealing_products.html</a>
LA	Instrumentation; "Genesis 200/8" (200 cm with including an 8-tip arm) liquid handling systems; Tecan AG of Switzerland ("Tecan"), TECAN Products for Diagnostics and Life Science, located at <a href="http://www.tecan.ch/index.htm">http://www.tecan.ch/index.htm</a>
LB	Instrumentation; Bar code systems, including one and two dimensional bar codes, readable and readable/writable codes and systems; Datalogic S.p.A. of Italy ("Datalogic") located at <a href="http://www.datalogic.com">http://www.datalogic.com</a>

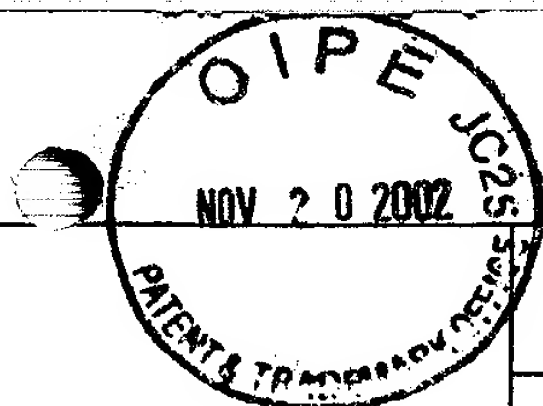
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LC	Instrumentation; DYNABEADS, streptavidin-coated magnetic beads; from Dynal, Inc. Great Neck, NY and Oslo Norway
LD	Instrumentation; "Multimek 96" automated pipettor; Beckman Coulter, Inc. located at <a href="http://www.coulter.com">http://www.coulter.com</a> , 09/08/99
LE	International Search Report for International Application No. PCT/US00/08111, Date of Mailing November 13, 2000.
LF	IUPAC-IUB Commission on Biochemical Nomenclature A One-Letter Notation for Amino Acid Sequences <sup>1-3</sup> Tentative Rules, <i>J. Biol. Chem.</i> , <u>243</u> (13):3557-3559, (1968)
LG	Jahnsen <i>et al.</i> , "Molecular Cloning, cDNA Structure, and Regulation of the Regulatory Subunit of Type II cAMP-dependent Protein Kinase from Rat Ovarian Granulosa Cells", <i>J. Biol. Chem.</i> , <u>261</u> (26):12352-12361, (1986)
LH	Janin, J., "Surface and inside volumes in globular proteins", <i>Nature</i> , <u>277</u> :491-492, (1979)
LI	Jiang-Baucom <i>et al.</i> , "DNA Typing of Human Leukocyte Antigen Sequence Polymorphisms Nucleic Acid Probes and MALDI-TOF Mass Spectrometry," <i>Analytical Chemistry</i> , <u>69</u> :4894-4898, (1997)
LJ	Jurinke <i>et al.</i> , "Analysis of Ligase Chain Reaction products via Matrix-Assisted Laser Desorption/Ionization Time-of-Flight-Mass Spectrometry", <i>Anal. Biochem.</i> , <u>237</u> :174-181, (1996)
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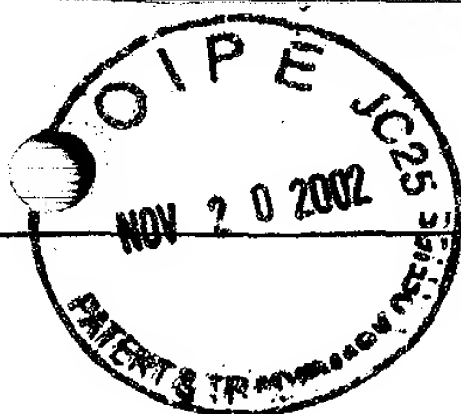
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LQ	Keown, <i>et al.</i> , "Methods for Introducing DNA into Mammalian Cells", <i>Methods in Enzymol.</i> , <u>185</u> :527-537, (1990)
LR	Klauck <i>et al.</i> , "Coordination of Three Signaling Enzymes by AKAP79, a Mammalian Scaffold Protein", <i>Science</i> , <u>271</u> :1589-1592, (1996)
LS	Kornher, J.S. and Livak, K.J., "Mutation detection using nucleotide analogs that alter electrophoretic mobility", <i>Nucl. Acids Res.</i> , <u>17</u> :7779-7784, (1989)
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MA	Laken <i>et al.</i> , "Familial colorectal cancer in Ashkenazim due to a hypermutable tract in APC", <i>Nature Genetics</i> , <u>17</u> :79-83, (1995)
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MD	Lasko <i>et al.</i> , "Eukaryotic DNA Ligases", <i>Mutation Research</i> , <u>236</u> :277-287, (1990)
ME	Lee <i>et al.</i> , "Isolation of a cDNA clone for the type I regulatory subunit of bovine cAMP-dependent protein kinase", <i>Proc. Natl. Acad. Sci. USA</i> , <u>80</u> :3608-3612, (1983)
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NO	<u>Nucleic acid hybridisation</u> , a practical approach, Book: Hames, B.D. and Higgins, S.J. (Eds.), IRL Press, Oxford, Washington DC (1985)
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PG	Sequenom: Technologies and Tools, located at <a href="http://www.sequenom-san.com/tech/tools.html">http://www.sequenom-san.com/tech/tools.html</a> , dated 08/29/99
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QG	Uracil-DNA Glycosylase (UDG), product description. New England Biolabs. <a href="http://circuit.neb.com/neb/products/mod_enzymes/280.html">http://circuit.neb.com/neb/products/mod_enzymes/280.html</a> , (12/21/00)

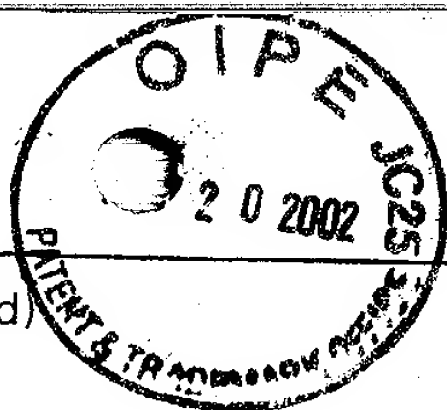
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	QH	Urlaub, G. and Chasin, L.A., "Isolation of Chinese hamster cell mutants deficient in dihydrofolate reductase activity", <i>Proc. Natl. Acad. Sci. USA</i> , <u>77</u> (7):4216-4220, (1980)
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	QK	Vaughan <i>et al.</i> , "Glycosylase mediated polymorphism detection (GMPD) -- a novel process for genetic analysis", <i>Genetic Analysis: Biomolecular Engineering</i> , <u>14</u> :169-175, (1999)
	QL	Wada <i>et al.</i> , "Detection of Single-nucleotide Mutations Including Substitutions and Deletions by Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry," <i>Rapid Communications in Mass Spectrometry</i> , <u>11</u> :1657-1660, (1997)
	QM	Waga <i>et al.</i> , "Reconstitution of Complete SV40 DNA Replication with Purified Replication Factors", <i>J. Biol. Chem.</i> , <u>269</u> (14):10923-10934, (1994)
	QN	Wagner <i>et al.</i> , "The human $\beta$ -globin gene and a functional viral thymidine kinase gene in developing mice", <i>Proc. Natl. Acad. Sci. USA</i> , <u>78</u> :5016-5020, (1981)
	QO	Wallace <i>et al.</i> , "Hybridization of synthetic oligodeoxyribonucleotides to phi chi 174 DNA: the effect of single base pair mismatch", <i>Nucl. Acids Res.</i> , <u>6</u> :3543-3557, (1979)
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	QR	Wigler <i>et al.</i> , "DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> , <u>76</u> (3):1373-1376, (1979)
	QS	Wilson, G.G. and Murray, N.E., "Restriction and Modification Systems", <i>Annu. Rev. Genet.</i> , <u>25</u> :585-627, (1991)
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	QU	Yen <i>et al.</i> , <b>Optically controlled ligand delivery</b> , 1, "Synthesis of water-soluble copolymers containing photocleavable bonds", <i>Makromol. Chem.</i> , <u>190</u> :69-82, (1989)

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